

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL without prejudice or disclaimer claims 1-10 the underlying PCT application and ADD new claims 11-21 in accordance with the following:

Claims 1-10 (cancelled).

11. (New) A superconductor device, comprising:
 - a magnet with at least one superconductive winding without any refrigerant;
 - a refrigeration unit with at least one cold head; and
 - a line system, having at least one pipeline for refrigerant circulating based on a thermosiphon effect, providing thermal coupling of the at least one superconductive winding to the at least one cold head.
12. (New) The device as claimed in claim 11, wherein said line system has two pipelines filled with different refrigerants having different condensation temperatures.
13. (New) The device as claimed in claim 12, wherein the pipelines are thermally coupled to a common cold head.
14. (New) The device as claimed in claim 12, wherein the pipelines are thermally coupled to separate cold heads.
15. (New) The device as claimed in claim 11, wherein at least parts of the at least one pipeline have a gradient with respect to the horizontal of more than 0.5°
16. (New) The device as claimed in claim 15, wherein the at least parts of the at least one pipeline have a gradient with respect to the horizontal of more than 1° .
17. (New) The device as claimed in claim 11, wherein the cross section of the at least one pipeline carrying the refrigerant is less than 10 cm^2 .

18. (New) The device as claimed in claim 11, wherein the superconductive winding contains high- T_c superconductor material.

19. (New) The device as claimed in claim 18, wherein the superconductive material must be kept at a temperature below 77 K.

20. (New) The device as claimed in claim 11, wherein a mixture of at least two refrigerant components with different condensation temperatures is provided as the refrigerant.

21. (New) The device as claimed in claim 11, wherein the superconductive magnet is part of an MRI installation.